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1 [Fingerprinting and forensic analysis of multimedia](#)
[Daniel Schonberg, Darko Kirovski](#)

 October 2004 **MULTIMEDIA '04**: Proceedings of the 12th annual ACM inter
 Multimedia

Publisher: ACM

 Full text available: [Pdf](#) (1.24 MB)

 Additional Information: [full citation](#), [abstract](#), [n](#)
Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 146, Citatio

One of the prime reasons movie and music studios have ignored the Int
 multimedia content delivery, has been the lack of a technology that can
 management (DRM) system on a general purpose computer. ...

Keywords: audio, collusion attack, fingerprinting, forensic analysis, vid

2 [On the extraction of vocal-related information to facilitate the manage
 collections](#)
[Wei-Ho Tsai, Hsin-Min Wang](#)

 June 2005 **JCDL '05**: Proceedings of the 5th ACM/IEEE-CS joint conferenc

Publisher: ACM

 Full text available: [Pdf](#) (242.72 KB)

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Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 80, Citation

With the explosive growth of networked collections of musical material,
 mechanism like a digital library to manage music data. This paper prese
 processing paradigm of popular song collections to facilitate ...

Keywords: music digital library, music information retrieval, query-by-
 vocal/non-vocal segmentation

3 [An end-user perspective on file-sharing systems](#)
[Jintae Lee](#)

 February 2003 **Communications of the ACM**, Volume 46 Issue 2

Publisher: ACM

 Full text available: [Html](#) (25.44 KB), [Pdf](#) (91.50 KB) Additional Information: [full citatio](#)
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Bibliometrics: Downloads (6 Weeks): 29, Downloads (12 Months): 255, Citatio

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P2P file-sharing systems enable their users to share files directly among for a central file server. They form one of the most well-known categories largely to the Napster controversy and its appeal ...

4 [Automatic summarization of music videos](#)

 [Xi Shao, Changsheng Xu, Namunu C. Maddage, Qi Tian, Mohan S. Kankant](#)
May 2006 **Transactions on Multimedia Computing, Communications (TOMCCAP)**, Volume 2 Issue 2

Publisher: ACM

Full text available:  [Pdf](#) (488.75 KB) Additional Information: [full citation](#), [abstract](#), [n](#)

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 112, Citation (

In this article, we propose a novel approach for automatic music video s summarization scheme is different from the current methods used for v video is separated into the music track and video track. ...

Keywords: Music summarization, music video, video summarization

5 [Fourth annual visual effects \(VES\) awards](#)


 [Newton Lee](#)
October 2005 **Computers in Entertainment (CIE)**, Volume 3 Issue 4

Publisher: ACM

Full text available:  [Pdf](#) (399.42 KB) Additional Information: [full citation](#), [index term](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 16, Citation (

6 [Personal vs. commercial content: the similarities between consumer](#)

 [Frank Bentley, Crysta Metcalf, Gunnar Harboe](#)
April 2006 **CHI '06: Proceedings of the SIGCHI conference on Human Fac**

Publisher: ACM

Full text available:  [Pdf](#) (469.83 KB) Additional Information: [full citation](#), [abstract](#), [n](#)

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 172, Citation (


We describe the results of two ethnographic-style studies that investiga and music respectively. Although the studies were designed, executed, our findings we discovered striking similarities between ...

Keywords: consumer, ethnographic study, music, photo, sharing

7 [Copyright conundrum: liability of ISPs for online copyright infringeme](#)


[Gaye L. Middleton](#)
January 2005 **ACSW Frontiers '05: Proceedings of the 2005 Australas computing and e-research - Volume 44**, Volume 44

Publisher: Australian Computer Society, Inc.

Full text available:  [Pdf](#) (129.27 KB) Additional Information: [full citation](#), [abstract](#), [n](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 77, Citation (

As digital rights holders become increasingly proactive in asserting their Internet service providers ("ISPs") are more frequently becoming embro infringement disputes. ISPs have, in turn, become increasingly ...

- 8 [Online audio background determination for complex audio environments](#)
 Simon Moncrieff, Svetha Venkatesh, Geoff West
 May 2007 **Transactions on Multimedia Computing, Communications (TOMCCAP)**, Volume 3 Issue 2


Publisher: ACM

Full text available:  Pdf (799.81 KB) Additional Information: [full citation](#), [abstract](#), [bibliometrics](#)


Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 92, Citation

We present a method for foreground/background separation of audio using a hidden Markov model. The technique models the background in an online, unsupervised manner and is designed for application to long term surveillance ...

Keywords: Audio analysis, online background modelling, surveillance and security

- 9 [QueST: querying music databases by acoustic and textual features](#)
 Bin Cui, Ling Liu, Caifan Pu, Jialie Shen, Kian-Lee Tan
 September 2007 **MULTIMEDIA '07: Proceedings of the 15th international conference on Multimedia**


Publisher: ACM

Full text available:  Pdf (229.62 KB) Additional Information: [full citation](#), [abstract](#), [bibliometrics](#)


Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 132, Citation

With continued growth of music content available on the Internet, music search has attracted increasing attention. An important challenge for music search is to support keyword and content based queries efficiently ...

Keywords: acoustic feature, music, search, similarity notion, textual features

- 10 [Improving audio conferencing: are two ears better than one?](#)
 Nicole Yankelovich, Jonathan Kaplan, Joe Provino, Mike Wessler, Joan Morris
 November 2006 **CSCW '06: Proceedings of the 2006 20th anniversary conference on Computer-Supported Cooperative Work**


Publisher: ACM

Full text available:  Pdf (625.38 KB) Additional Information: [full citation](#), [abstract](#), [bibliometrics](#)


Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 133, Citation

In this paper, we describe a range of audio problems that impact the effectiveness of audio conferencing and detail the solutions we have devised to address these problems. We also describe an audio quality assessment to determine how differences in quality impact the effectiveness of audio conferencing ...

Keywords: audio conferencing, cocktail-party effect, distributed meeting systems

- 11 [Impromptu: managing networked audio applications for mobile users](#)
 Chris Schmandt, Kwan Hong Lee, Jang Kim, Mark Ackerman
 June 2004 **MobiSys '04: Proceedings of the 2nd international conference on Mobile systems, applications, and services**

Publisher: ACM


Full text available:  Pdf (240.36 KB) Additional Information: [full citation](#), [abstract](#), [bibliometrics](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 51, Citation

This paper discusses the software architecture of Impromptu, a mobile platform, with an associated set of network-based applications and service communication properties and universal mobility of the telephone ...


Keywords: WiFi, architecture, audio applications, audio interface, mobile interface, telephony, voice over IP

12 [Designing interactive music mixing applications for mobile devices](#)

 [Juha Arrasvuori, Jukka Holm](#)

September 2007 **DIMEA '07**: Proceedings of the 2nd international conference in entertainment and arts

Publisher: ACM


Full text available:  [Pdf](#) (607.92 KB) Additional Information: [full citation](#), [abstract](#), [reviews](#)

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 133, Citations: 0

Mobile devices are a potential platform for interactive music mixing applications. In this paper, the authors discuss the development of four such concepts were implemented as software prototypes ...


Keywords: MIDI, collaborative music-making, interactive music, interactive applications, jamming, mobile devices

13 [A singer identification technique for content-based classification of MP3](#)

 [Chih-Chin Liu, Chuan-Sung Huang](#)

November 2002 **CIKM '02**: Proceedings of the eleventh international conference on knowledge management

Publisher: ACM


Full text available:  [Pdf](#) (477.25 KB) Additional Information: [full citation](#), [abstract](#), [reviews](#)

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 145, Citations: 0



As there is a growing amount of MP3 music data available on the Internet, techniques for music classification and content-based music retrieval are getting more important. In this paper, we propose an approach to automatically ...

Keywords: MP3, MP3 classification, MP3 databases, content-based music classification, music databases, music feature extraction, singer identification

14 [netWorker: Volume 12 Issue 1](#)


 March 2008 netWorker

Publisher: ACM

Full text available:  [Digital Edition](#),  [Pdf](#) (1.99 MB) Additional Information: [full citation](#)


Bibliometrics: Downloads (6 Weeks): 41, Downloads (12 Months): 213, Citations: 0

15 [System support for pervasive applications](#)

 [Robert Grimm, Janet Davis, Eric Lemar, Adam Macbeth, Steven Swanson, Yehuda Berkman, Gaetano Borriello, Steven Gribble, David Wetherall](#)

November 2004 **Transactions on Computer Systems (TOCS)**, Volume 22 Issue 4


Publisher: ACM

Full text available:  Pdf (1.82 MB)Additional Information: [full citation](#), [abstract](#), [n](#)**Bibliometrics:** Downloads (6 Weeks): 38, Downloads (12 Months): 350, Citation


Pervasive computing provides an attractive vision for the future of computing. It will be available everywhere. Mobile and stationary devices will dynamically and seamlessly help people in accomplishing their tasks. ...

Keywords: Asynchronous events, checkpointing, discovery, logic/operator, one.world, pervasive computing, structured I/O, tuples, ubiquitous computing

16 A music search engine built upon audio-based and web-based similarity

 Peter Knees, Tim Pohle, Markus Schedl, Gerhard Widmer


July 2007 **SIGIR '07:** Proceedings of the 30th annual international ACM SIGIR conference on Research in information science and development in information retrieval

Publisher: ACMFull text available:  Pdf (198.55 KB)Additional Information: [full citation](#), [abstract](#), [n](#)**Bibliometrics:** Downloads (6 Weeks): 29, Downloads (12 Months): 321, Citation

An approach is presented to automatically build a search engine for large audio collections. The engine can be queried through natural language. While existing approaches depend on manual annotations and meta-data assigned to the individual audio files, ...

Keywords: context-based retrieval, cross-media retrieval, music information retrieval, music engine, music similarity

17 AVE: automated home video editing

 Xian-Sheng HUA, Lie LU, Hong-Jiang ZHANG


November 2003 **MULTIMEDIA '03:** Proceedings of the eleventh ACM international conference on Multimedia

Publisher: ACMFull text available:  Pdf (384.96 KB)Additional Information: [full citation](#), [abstract](#), [n](#)**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 39, Citation

In this paper, we present a system that automates home video editing. The system automatically extracts a set of highlight segments from a set of raw home videos and removes incidental music based on the content of the video and ...

Keywords: audio segmentation, music analysis, optimization, video compression, video segmentation, video skimming

18 The IP war: apocalypse or revolution?

 Tsvi Gal, Howard M. Singer, Laird Popkin

October 2003 **DRM '03:** Proceedings of the 3rd ACM workshop on Digital Rights Management


Publisher: ACMFull text available:  Pdf (248.96 KB)Additional Information: [full citation](#), [abstract](#), [n](#)**Bibliometrics:** Downloads (6 Weeks): 11, Downloads (12 Months): 116, Citation

In the Foundation series, Asimov predicted a 1,000 years of darkness for humanity. ...

empire. In the book *Noir*, K.W Jeter describes a world where IP is the ul together and you have likely scenario No. 1. The Internet ...


Keywords: digital distribution, digital rights management, intellectual p

19 [Audio watermark attacks: from single to profile attacks](#)

 [Andreas Lang](#), [Jana Dittmann](#), [Ryan Spring](#), [Claus Viehauer](#)

August 2005 **MM&Sec '05**: Proceedings of the 7th workshop on Multimedia

Publisher: ACM


Full text available:  [Pdf](#) (224.98 KB) Additional Information: [full citation](#), [abstract](#), [n](#)

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 79, Citation

A wide range of watermarking evaluation approaches and especially ima been described in the literature. Our paper sets the main focus on the e watermarking with StirMark Benchmark for Audio (SMBA). ...


Keywords: attack, audio, digital watermarking, smba, stirmark

20 [The UCON_{ABC} usage control model](#)

 [Jaehong Park](#), [Ravi Sandhu](#)

February 2004 **Transactions on Information and System Security (TIS**

Publisher: ACM

Full text available:  [Pdf](#) (518.61 KB) Additional Information: [full citation](#), [abstract](#), [n](#)

Bibliometrics: Downloads (6 Weeks): 49, Downloads (12 Months): 275, Citatio





In this paper, we introduce the family of UCON_{ABC} models for usage cor *Authorizations (A)*, *oBligations (B)*, and *Conditions (C)*. We call these co address the essence of UCON, leaving ...

Keywords: access control, digital rights management, privacy, trust, u

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